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03597578     \*\*Image available\*\*  
LIP SEAL DEVICE

PUB. NO.: 03-260478 [JP 3260478 A]  
PUBLISHED: November 20, 1991 (19911120)  
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APPL. NO.: 02-059147 [JP 9059147]  
FILED: March 09, 1990 (19900309)  
INTL CLASS: [5] F16J-015/32  
JAPIO CLASS: 22.1 (MACHINERY -- Machine Elements)  
JOURNAL: Section: M, Section No. 1213, Vol. 16, No. 72, Pg. 47,  
February 21, 1992 (19920221)

#### ABSTRACT

PURPOSE: To absorb center dislocation of a rotary **shaft** or its swinging by surrounding the elastic deformation part by a guide surface to curve the **lip**, an end **face** extending outward in the **radial** direction, and a cylindrical outside surface extending in the axial direction.

CONSTITUTION: A ring-shaped elastic member 5 is equipped with an elastically deforming part 5B having the large wall thickness surrounded by a guide surface 5a which overlaps on that surface of a **lip** 6 situated on the encapsulated fluid side, i.e. on the left side surface, and bends the **lip** 6 into a specified shape together with a flange part 4b, an end **face** 5b which extends outward in the **radial** direction from near the bore 6b of the **lip** 6 as shown by an imaginary line, and a cylindrical outside surface 5c which extends in the axial direction from the position close to the periphery of the **lip** 6. A space 10 continued circumferentially to a holding member 9 is formed at the periphery of this cylindrical outside surface 5c on its **lip** 6 side, and the encapsulated fluid side of the surface 5c is continued to the seal part 5A. Thereby the **lip** 6 is allowed to follow up a rotary **shaft** 2 in good performance while its center dislocation or swinging is absorbed effectively by the elastically deforming part 5B and the space 10 outside it.

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